

### U.S. Army Research Institute for the Behavioral and Social Sciences

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### The Changing U.S. Army: A Summary of Future Focused Reports from 1990-1999

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14. ABSTRACT (Maximum 200 words): This report briefly summarizes a review of 83 documents that focused on how the Army and its environment might be changing in the future, and what these changes could mean for leadership practice, leadership development, and other important organizational policies. The reports and presentations reviewed were prepared from 1990-1999 with the majority written over the last three years. These documents were reviewed to answer two central questions: (1) What is the Army's operating environment likely to be in the future? and (2) What do environmental changes mean for leadership practices and leader development? The review of the 83 reports indicated significant changes in six environmental sectors: geopolitical, technological, economic, socio-cultural, and demographic. The results of the review are organized around four topics: (1) leadership performance requirements resulting from changes in the Army's operating environment; (2) the leader attributes that contribute to leader effectiveness; (3) the assessment and selection of Army officers; and (4) the training and development of officers. The resulting summary was prepared in the form of a briefing to be presented to senior decision makers. This report includes the summary, list of reports reviewed, and briefing slides.

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### The Changing U.S. Army: A Summary of Future Focused Reports from 1990-1999

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The Army must develop leaders who can effectively apply the four core dimensions of leadership: values, attributes, skills, and actions. These provide the basis for leader development policy, doctrine, training, and research. To assist the Deputy Chief of Staff for Personnel (DCSPER) as the proponent for leadership and leader development policy, researchers at the George Mason University (GMU) scoured the relevant publications between 1990 and 1999 for papers that dealt with the changing Army and reviewed 83 documents in detail.

This report summarizes the findings of a review of recent research on how the Army and its environment might be changing in the future. Researchers at GMU identified papers that dealt with two central questions: (1) What is the Army's operating environment likely to be in the future? And (2) What do environmental changes mean for leadership practices and leader development?

The review of these documents indicated significant changes in six environmental sectors: geopolitical, technological, economic, socio-cultural, and demographic. The results of the review are organized around four topics: (1) leadership performance requirements resulting from changes in the Army's operating environment; (2) the leader attributes that contribute to leader effectiveness; (3) the assessment and selection of Army officers; and (4) the training and development of officers. This report includes a summary of the reports reviewed, the resulting briefing prepared for senior decision makers, and a full reference list of reports reviewed.

This research was briefed to the Leadership Action Group, chaired by BG Melton, Director, Human Resources Directorate, DCSPER.

It is hoped that this summary of research on the changing Army will help all organizations to improve current leadership research, develop new ideas about leadership, build consensus, and help improve the development of effective Army leaders.

ZITA M. SIMUTIS Technical Director THE CHANGING US ARMY: A SUMMARY OF FUTURE FOCUSED REPORTS FROM 1990 TO 1999.

### **EXECUTIVE SUMMARY**

### Research Requirement:

The purpose of this research was to assist the Deputy Chief of Staff for Personnel (DCSPER) as the proponent for leadership and leader development policy by reviewing recent references exploring the changing Army, and relating what these changes could mean for leadership practice, leader development, and other important organizational policies.

### Procedures:

This report summarizes the findings of a review of recent research that focused on how the Army and its environment might be changing in the future. Researchers at the George Mason University (GMU) scoured the publications between 1990 and 1999 for papers that dealt with the changing Army, and reviewed 83 documents in detail. They identified papers that dealt with two central questions: (1) What is the Army's operating environment likely to be in the future? And (2) What do environmental changes mean for leadership practices and leader development?

### Findings:

The review of these documents indicated significant changes in six environmental sectors: geopolitical, technological, economic, socio-cultural, and demographic. The results of the review are organized around four topics: (1) leadership performance requirements resulting from changes in the Army's operating environment; (2) the leader attributes that contribute to leader effectiveness; (3) the assessment and selection of Army officers; and (4) the training and development of officers. The report includes a briefing prepared for senior decision makers as well as a list of reports reviewed.

### Utilization of Findings:

This research was briefed to the Leadership Action Group, chaired by BG Melton, Director, Human Resources Directorate, DCSPER.

### THE CHANGING U.S. ARMY: A SUMMARY OF FUTURE FOCUSED REPORTS FROM 1990-1999

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### The Changing U.S. Army: A Summary of Future Focused Reports from 1990-1999

### Background

Today, the United States Army stands at another crossroads. Its operating environment is changing in many ways that will require far-ranging and far-reaching organizational change and strategic realignments. Improvements in weaponry and information technology have changed the nature of the future battlefield. Technological advancements have created exponential increases in the data flowing to military decision makers while new communication technologies have multiplied the number of input channels contributing to strategic and tactical decisions. The traditional warfighting mission of the Army has been greatly expanded to include an increasing number of other-than-war missions, such as peace-making, peace-keeping, humanitarian interventions, and environmental conservation and support. These operations are likely to involve mixed civilian, military, and multinational participants. The global theater for these operations and missions has changed from the bipolar contingencies of the cold war to the multifaceted dynamics of the current era. Further, the actions of the Army and its soldiers are often broadcasted through the media instantaneously for public viewing and analysis.

Unlike many organizations, the Army devotes considerable time and resources to understanding the changes occurring in its environment. Foresights gained from this effort are then used by senior decision makers to develop strategic visions and long-range policies. Recent examples of such organizational change initiatives include the Army Warfighting Experiment (AWE), Force XXI, and the Army After Next (AAN). A consistent theme in these initiatives, particularly AAN, has been the key role assigned to leaders and officers as the propagators and managers of organizational change in the Army. The success of the Army in meeting its future challenges will depend heavily upon the quality of its officers and how well they are trained to respond to their changing operational environment.

Understanding the changing roles of leaders in the Army will require a clear vision of how the operating environment is likely to change in the future. In particular, how will current and future environmental changes influence the performance requirements of future officers -- what will officers need to do to ensure that the units under their command can be effective? The answers to this question provide the basis for inferring the attributes needed by future leaders to be successful, which in turn become the focus of future training and development efforts.

The Army has recognized the importance of these questions and has devoted considerable institutional energy to their study. A review of the existing military literature completed by the authors of this report revealed 83 documents that had as their focus how the Army and its environment might be changing in the future, and what these changes could mean for leadership practice, leadership development, and other important organizational policies. These reports and presentations were prepared from 1990-1999, although the vast majority of them were written over the last 3 years. While 13 reports were submitted from 1990-1996, 35 reports were prepared in 1997 and 31 reports were completed in 1998. The remaining 4 reports were published in 1999 or are currently in press. Most of these papers were presented at conferences organized to examine strategic changes in the Army. Appendix A contains a listing of these

reports. Included in this listing are nine exemplary reports that summarize conclusions about the changing environment for the U.S. Air Force and the U.S. Navy. These reports also include discussions relevant to change in the Army. In sum, while we cannot be sure that this search is fully exhaustive (i.e., including all possible reports about the future Army), it is comprehensive.

The present report summarizes these "futures" documents in the form of a briefing to be presented to senior decision makers. It is organized around the leader performance requirements contributing to unit effectiveness, and the attributes necessary to meet these requirements. The authors reviewed the futures reports to answer two central questions:

- What is the Army's operating environment likely to be in the future?
- What do environmental changes mean for leadership practices and leader development?

This report briefly summarizes the results of this review. It is organized around four topics: (a) leadership performance requirements resulting from changes in the Army's operating environment; (b) the leader attributes that contribute to leader effectiveness; (c) the assessment and selection of Army officers, and (d) the training and development of officers. This summary is also presented in the form of a briefing in Appendix B.

In the next section of this report, we briefly summarize what has been concluded about likely changes in various sectors of the Army's operating environment. We then briefly examine the implications of these changes for leadership practices and policies.

### The Changing Army Environment

The review of the futures reports indicated significant changes in six environmental sectors: geopolitical, technological, economic, socio-cultural, socio-political, and demographic. Projected geopolitical changes suggest that while the United States will likely maintain continued military dominance through power projection and a strong overseas presence, it will need to respond to a wider variety of contingency operations calling for different kinds of force capabilities. These changes will result in higher operations and personnel tempo. Many operations will be joint and multinational in scope. They will require increasing cooperation with international agencies. Further, these operations will feature a greater number of missions such as peacemaking, peacekeeping, rendering humanitarian assistance, evacuating noncombatants, providing environmental security, and fighting terrorism, drugs, and arms trafficking. Accordingly, the U.S. Army will need to possess the ability to assemble rapidly, deploy, and employ forces having very different mixes of capabilities. Further, the Army will need to perform these activities in response to multiple simultaneous missions.

Changes in weapons and information technology are transforming the battlefield of the future. New weapons technology will act as a force multiplier, with greater lethality but also with smaller force requirements. Weapons will become increasingly more precise, resulting in less collateral damage and more lopsided casualties. The Army futures reports forecast that future operations will occur around the clock, with shared real time situational awareness. The

digitization of the battlefield will increase the amount of information coming to commanders and the speed required for responses. Planning and operations will often need to occur almost simultaneously. Information technology will allow much more information to be conveyed both horizontally and vertically in command networks, and senior commanders will have increased capabilities to command anywhere in the battle space.

Information technology will also have implications for socio-cultural and socio-political factors. Many military operations are increasingly open to instant media exposure and analysis. This forces a greater focus by military planners on public opinions and expectations by civilian decision makers. There will be constant struggles to maintain perceptions of public utility, or the usefulness of military options in the service of national interests.

The Army is likely to mirror increasingly non-military organizations in their movement away from hierarchically-organized structures to ones that are flatter, more flexible, and with units that are smaller, more networked, and more cross-functional. A greater number of traditionally military activities are likely to be outsourced to civilian counterparts, raising questions about the command of such activities, particularly in wartime conditions.

The population of the Army will reflect key shifts in the labor pool, with increasing representation from minorities, women, and immigrants. Military jobs and occupations will reflect greater gender equality. Trends in the existing pool of soldier candidates suggest that future enlistees may not have the same level of abilities as previous groups, and will likely enter the military with different value sets and ethical beliefs, with a perceived erosion in traditional orientations. Further, military institutions and their civilian partners will become more culturally pluralistic. Other socio-cultural issues that will need to be addressed by the Army include requirements for military employment of disabled persons, as prompted by the American Disabilities Act, and continued controversy about homosexuals in the military.

These changes are likely to occur amid considerably buffeting from economic forces. Military budgets are likely to face continued downward pressures because of increased emphases on critical and expensive domestic issues (e.g., health care). Accordingly, downsizing pressures will continue. These combinations of factors flowing from economic forces are likely to decreases the availability of officer candidates and reduce the retention of the officer corps.

### Implications for Army Leadership

Leader Performance Requirements. These environmental changes will alter the performance requirements for future officers. Leaders will need to perform in new command and control structures, where data and information is increasingly shared across different levels and functional areas. They will operate with greater situation awareness in the battlefield and will need to plan and executive operations more rapidly, almost simultaneously. Many of the performance requirements that were formerly typical of senior officers will migrate to lower command levels, while senior officers will need to operate in an information environment of even greater complexity. They will need to respond more rapidly to unanticipated threats worldwide, and they will need to make decisions at consistently faster rates.

Leaders will need to perform increasingly nontraditional missions that will require interaction and cooperation with multinational military and civilian organizations. Senior leaders will need to attend more closely to public relations and devote more energy to building consensus for overseas deployments and operations other than war.

Leaders will need to lead a more multicultural, multiracial, and diverse Army. They will need to focus more efforts on socialization of new recruits who may reflect values and beliefs from more traditional ones that have characterized the Army.

Leader Attributes. These performance requirements do not necessarily alter the basic cognitive, interpersonal, technical, and tactical competencies required of current soldiers. However, the relative mix and emphases on these competencies may change. For example, leaders will need a greater understanding of local politics and cultures as they conduct more and different kinds of military operations overseas. They will need greater knowledge of technology with a corresponding need to update this knowledge at a faster pace.

In response to the geopolitical, demographic and socio-cultural changes, future officers will need increased communications, human relations and multicultural skills. They will require more team-building and team boundary spanning skills. Complex problem solving skills will become increasingly important at lower command levels. Officers will also need attributes that foster greater cognitive and behavioral flexibility.

The complexity of the changing environment will require officers to have a greater tolerance of ambiguity and openness. Traditional attributes such as initiative, risk taking, and strong moral and ethical principles will be particularly important.

Leader Selection, Assessment, Retention, and Promotion. Future challenges, particularly socio-cultural and socio-political pressures, highlighted the need for the Army to update programs to recruit and commission higher quality officers to meet the demands of changing demographics. Specific suggestions included increasing the role of universities in providing more broadly educated and diverse leaders, as well as increased public outreach efforts. Development of "profile-matching" approaches to the selection of desired officer candidates was also suggested. Finally, more programs and systematic interventions to increase officer and enlisted retention rates were recommended.

A consistent refrain was the need for better programs to assess leader performance. For example, post battalion command assessment procedures were suggested as necessary for a comprehensive analyses of strengths and weaknesses of outgoing commanders. Such analyses would become the basis for further leader development interventions. Assessment instruments using 360 degree formats were referenced as particularly useful tools. Another suggestion was to modify assessment processes modeled after processes used to select candidates for special operational forces. Such procedures include multiple hurdles screening for determining follow-on assignments and intensive situational and performance tests.

The need to revise current promotion systems was also addressed. Some of the key suggestions offered in the futures reports were to integrate the Army human resource

management system, balance grades and skills at the Field Grade level, and provide a broader base of information to field grade selection boards. Clearly the need exists to address the anticipated flatter Army structure of the future with its accompanying impact on promotion to the ranks of general officer.

Leader Training and Development. The impact of environmental changes on the Army leader development programs highlights the need to modernize the leader development process. Changes in leader performance requirements, and the migration of certain requirements to lower command levels, suggests that training for company, battalion, and brigade command would need to be revised substantially. One proposed revision supported continued emphasis on combat training but with subsidized training focused on mission-specifics. Another suggestion was directed towards the need to develop experienced leaders and improved core capabilities. The increasingly joint nature of future operations suggests integrated training with joint systems. Training will also need to focus on the development of skills to employ and utilize new and emerging information and weapons technology.

The three pillars of Army leader development, institutional training, work assignments, and self development, will not only need to be revised in content, but also increasingly coordinated to provide a more integrated and efficient program of officer development. Given budget pressures, a greater emphasis on alternative training programs such as distance learning, self-study and internet-based self-development programs and greater use of simulations and virtual reality exercises was suggested. These programs would be augmented with mentoring and feedback systems.

Finally, a common theme among the reports was to revise Joint Professional Military Education by increasing the focus on strategic thinking, coalition warfare, and joint warfighting. Senior leaders should be prepared to interact with other stakeholders in an increasing multicultural environment, as well as with different governmental and civilian agencies.

### **Summary**

The number and content of the 83 futures reports document the Army's interest in understanding how its operating environment may be changing over the next 25 years and how it can respond to these challenges. These efforts have also been evidenced in recent initiatives such as OPMS XXI, AAN and Strike Force. Many of the recommendations regarding leader assessment and development have resulted in preliminary research efforts. There has also been a surge in interest in researching attributes that foster leader flexibility in dynamic and complex environments. Taken together, these activities illustrate the Army's determination to maintain its strengths and values, as well as fulfill its central missions, even with dramatic changes occurring in its operating environment.

The briefing in Appendix B is by no means exhaustive of all of the conclusions offered in the 83 futures reports. Instead, it summarizes some of the most significant ones. However, the business of forecasting future trends and planning responsive strategic policy is never ending; indeed, many of the conclusions in the 83 reports may currently be outdated. We suggest that the briefing in Appendix B be presented to various stakeholders and policy makers within the Army

community to gain their insights and analysis. The briefing should then be updated accordingly.

The material in this report and corresponding briefing should serve as the catalyst for further insights as well as for the development of a database that keeps track of similar reports in the future.

### APPENDIX A

### **Listing of Army Futures Reports**

Adelman, L. (1997, November). Cognitively engineering technology for the Army After Next. In M. Drillings, L. Adelman, A. Manzo, & M. Shaler (Chair), <u>Human and organizational issues in the Army After Next.</u> Conference conducted for the Research and Advanced Concepts Office, U.S. Army Research Institute for the Behavioral and Social Sciences, Alexandria, VA.

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- Bier, G. L., Grzyb, S. W., & Stevens, M. M. (1998, June). <u>Understanding and expanding the United States military role in humanitarian Deming operations</u> (Landpower Essay Series No. 98-3). Arlington, VA: Association of the United States Army.
- Biever, J. D. (1998, June). The relationship between organizational design and organizational effectiveness: Working paper. In M. Drillings, L. Adelman, A. Manzo, & M. Shaler (Chair), <u>Human and organizational issues in the Army After Next.</u> Conference conducted for the Research and Advanced Concepts Office, U.S. Army Research Institute for the Behavioral and Social Sciences, Alexandria, VA.

- Brown, F. (1997, November). Learning in Army XXI. M. Drillings, L. Adelman, A. Manzo, & M. Shaler (Chair), <u>Human and organizational issues in the Army After Next.</u>
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- Buckley, E. (1997, November). The Army After Next project: Knowledge and speed, emerging impressions. In M. Drillings, L. Adelman, A. Manzo, & M. Shaler (Chair), <u>Human and organizational issues in the Army After Next.</u> Conference conducted for the Research and Advanced Concepts Office, U.S. Army Research Institute for the Behavioral and Social Sciences, Alexandria, VA.
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- Carley, K. (1998, June). Examining adaptation and flexibility in command and control architectures. In M. Drillings, L. Adelman, A. Manzo, & M. Shaler (Chair), <u>Human and organizational issues in the Army After Next.</u> Conference conducted for the Research and Advanced Concepts Office, U.S. Army Research Institute for the Behavioral and Social Sciences, Alexandria, VA.
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- Cohen, M. S. (1998, June). Training battlefield critical thinking skills. In M. Drillings, L. Adelman, A. Manzo, & M. Shaler (Chair), <u>Human and organizational issues in the Army After Next.</u> Conference conducted for the Research and Advanced Concepts Office, U.S. Army Research Institute for the Behavioral and Social Sciences, Alexandria, VA.
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- Cupp, C. M., & Levine, P. (1996). <u>Future directions: preparing for the 21<sup>st</sup> century</u> Volume 3, Number 2 (Tech Rep. No. 96/6). Washington, D. C.: U. S. Department of Defense. (AD A309 242)

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Dorn, E. (1997, January). <u>PME: Preparing military leaders for the future</u> (AUSA Issues No. 97-1). Arlington, VA: Association of the United States Army.

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Downes, C. (1997, November). An ethos-directed Army for the 21<sup>st</sup> century. In M. Drillings, L. Adelman, A. Manzo, & M. Shaler (Chair), <u>Human and organizational issues in the Army After Next</u>. Conference conducted for the Research and Advanced Concepts Office, U.S. Army Research Institute for the Behavioral and Social Sciences, Alexandria, VA.

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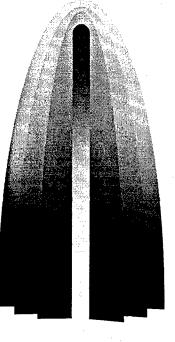
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### Appendix B

Briefing Slides: The Changing U.S. Army: A Summary of Future Focused Reports from 1990-1999

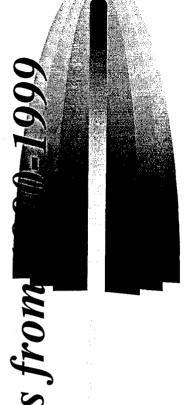
### THE CHANGING U.S. ARMY: A SUMMARY OF FUTURE FOCUSED REPORTS FROM 1990-1999



Steve Zaccaro, Richard Klimoski, and Lisa Boyce

George Mason University

### THE CHANGING U.S. ARMY: A Summary of Reports from

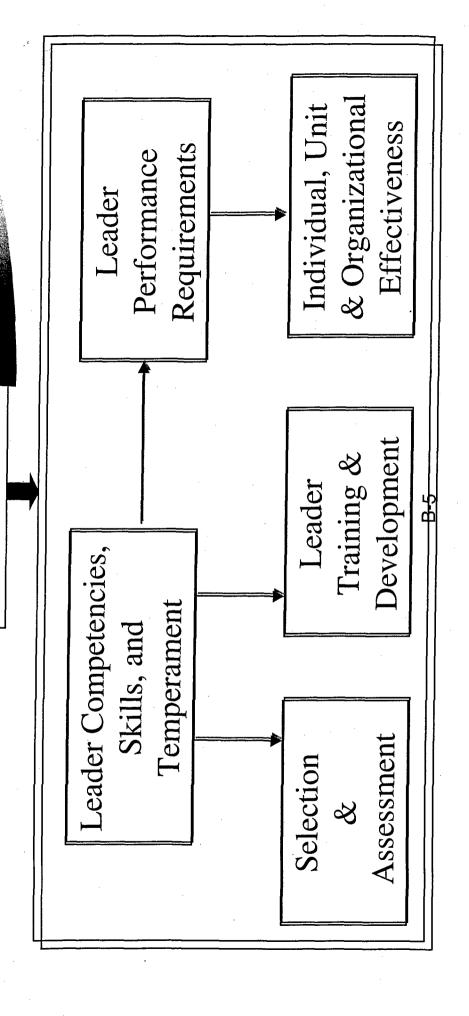


83 Reports and Presentations Reviewed (1990-1999)

- What will be the future military environment?
- How will this environment influence leadership?

### ORGANIZING LEADERSHIP REQUIREMENTS CONCEPTUAL FRAMEWORK FOR

ENVIRONM



### FRAMEWORK FOR ORGANIZING FUTURE ARMY ENVIRONMENT

GEOPOLITICA

TECHNOLOGICAL DEMOGRAPHIC

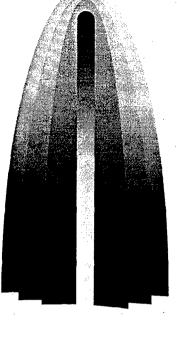
SOCIO-POLITICAL

**ECONOMIC** 

SOCIO-CULTURAL

B-6

### THE CHANGING U.S. ARMY ENVIRONMENT



- GEOPOLITICAL
- TECHNOLOGICAL
- ECONOMIC
- SOCIO-CULTURAL
- SOCIO-POLITICAL
- DEMOGRAPHIC

## GEOPOLITICAL

- Continued US military dominance through power projection and overseas presence
- requiring ability to rapidly assemble, deploy, and employ a force with required mix of Greater range of contingency operations capabilities
- High operations and personnel tempo
- Joint, Multinational Oggrations

# GEOPOLITICAL Cont.



- Peacemaking

- Peacekeeping

Operations Other Than War (OOTW)

• Humanitarian assistance

· Noncombatant evacuation requirements

Terrorism

• Drugs and arms trafficking

Environmental security

## TECHNOLOGICAI



- Lethality with smaller force requirements

- Less collateral damage, lopsided casualties

Around-the-clock operations

- Technology ignorance by senior leaders

Increase use of private contractor support

# TECHNOLOGICAL (cont.)

- Increased reliance on information technology
- Shared real-time situational awareness
- Exchange information horizontally and vertically
- Ability to command anywhere in the battle space

### ECONOMIC



Decreased military budget as a result of greater emphasis on domestic issues (e.g., health care system)

- Continued downsizing pressures
- Decrease in availability of officer candidates
- Decrease in retention of officer corps

### SOCIOCULTURAL and SOCIOPOLITICAL



- Greater focus on public opinions and expectations by decision makers
- Instant media exposure
- Constant struggle to maximize public utility
- Requirement for military employment of disabled persons (response to ADA)
- Continued controversy of homosexuals in the military

## DEMOGRAPHIC

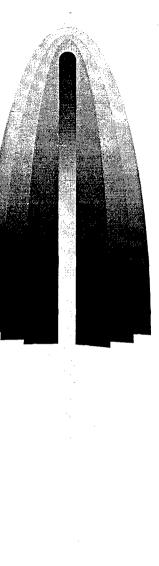
- Army population will reflect demographic shifts in labor pool
- Military jobs will reflect continued movement towards gender equality
- HS graduates not as qualified to enter Army
- Continued decline in propensity to enlist
- Erosion of traditional values and ethical beliefs

# LEADERSHIP ISSUES



- Leader Performance Requirements
- Leader Attributes
- Leader Selection, Assessment, Retention, and Promotion
- Leader Training and Development

## IMPLICATIONS FOR LEADER PERFORMANCE REQUIREMENTS: Knowledge & Information Management



- Leaders will need to perform in new command and control climate/structure
- Share data between different levels, functional areas and commands via distributed networks
- Determine "fusion architecture"
- Perform ill-defined tasks

## IMPLICATIONS FOR LEADER PERFORMANCE REOUIREMENTS: Knowledge & Information Management (cont.)

- Honal awareness and a common picture of the battle field Leaders will operate with greaten
- Leaders will need to manipulate public opinion and build consensus for risky ventures, overseas deployments, and OOTW
- Leaders will have to develop and sell vision to Congress and American people
- business and industry for technological advancements Leaders will need to cultivate relationships with

## IMPLICATIONS FOR LEADER PERFORMANCE odul-Tempo REQUIREMENTS: Speed & Op

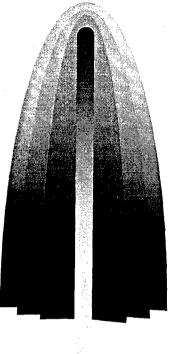


Commanders will need to make decisions at consistently faster rates

## IMPLICATIONS FOR LEADER PERFORMANCE REQUIREMENTS: Team & Subordinate Development

- multicultural, multiracial and mixed-gender Leaders will need to lead and work in
- Leaders will need to integrate across components of Total Army
- Leaders will need to develop and maximize small unit effectiveness

# IMPLICATIONS FOR LEADER ATTRIBUTES: Knowledge



Leaders will need to know

- Historical local/social context
- Battlefield
- Topographic and climatic realities
- Restrictive ROE (rules of engagement)
- Political (local, regional, global) climate
- Economic and budgetary factors
- Weapon and information technology

# IMPLICATIONS FOR LEADER ATTRIBUTES: Skills, Competencies, & Abilities

Leaders will need:

- Increased human relations & multicultural skills
- Advanced communication skills
- Team building and trust building skills
- Team boundary spanning skills
- Conflict resolution skills
- Cognitive skills
- Cognitive and behavioral flexibility
- Situational awareness skills

#### IMPLICATIONS FOR LEADER ATTRIBUTES: 1 Qualities Personality Attributes & Motivati

Leaders will need:

- Initiative
- Risk taking
- take calculated risk
- exploit opportunities
- Strong moral and ethical principles
- Tolerance for ambiguity
- Openness

#### OMOTION IMPLICATIONS FOR LEADER SELECTION, ASSESSMENT, RETENTION,

- Update programs to recruit & commission quality people
- Increase role of universities in providing more broadly educated and diverse leaders
- Increase public outreach
- Develop a "profile matching" approach to leader selection

#### OMOTION IMPLICATIONS FOR LEADER SELECTION. ASSESSMENT, RETENTION, &



- Post Battalion level command assessment
- Comprehensive analysis of leadership strengths and weaknesses of outgoing commander
- 360 degree feedback
- Modified SOF assessment process
- Multiple hurdles screening for determination of follow-on assignments
- Intensive situational and performance tests
  <sub>B-24</sub>

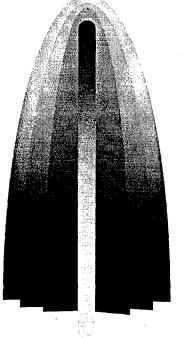
#### NOTION IMPLICATIONS FOR LEADER SELECTION, ASSESSMENT, RETENTION, &

Need programs to increase officer and enlisted retention

#### OMOTION IMPLICATIONS FOR LEADER SELECTION. ASSESSMENT, RETENTION, &

- Need to revise promotion system
- to integrate Army HR management system
- to balance grades and skills at Field Grade level
- to provide broader base of information to field grade boards
- to account for flattened structure and effects on promotion to General

# IMPLICATIONS FOR LEADER TRAINING AND DEVELOPMENT



Need for "catch-up" training

Need for alternative training programs

Distance learning

- Self-study

- Mentorship and Feedback

- Progressive assignments

- Simulations

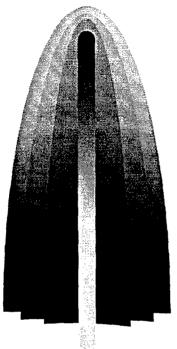
- 3-D multi-sensory virtual experiences

# IMPLICATIONS FOR LEADER TRAINING AND DEVELOPMENT



- Need to modernize Leader Deveropment process
- Emphasize combat training and subsidize with mission specific training
- Cultivate experienced leaders
- Improve core capabilities
- Integrate with joint systems
- Need to revolutionize "commander development" process (e.g., Commander MOS)
- Train skills to employ new technology

# IMPLICATIONS FOR LEADER TRAINING AND DEVELOPMENT



- Need to revise Joint Professional Military Education (JPME)
- Focus on strategic thinking
- Combined/Coalition warfare
- Joint warfighting
- Prepare leaders to interact with government, nongovernment, and private sector organizations